

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2000-015750**

(43)Date of publication of application : **18.01.2000**

(51)Int.Cl. **B32B 27/00**

B65D 65/40

C08L 23/08

C08L 45/00

C08L 51/00

(21)Application number : **10-185800**

(71)Applicant : **MITSUI CHEMICALS INC
KEIHAN CELLOPHANE KK**

(22)Date of filing : **01.07.1998**

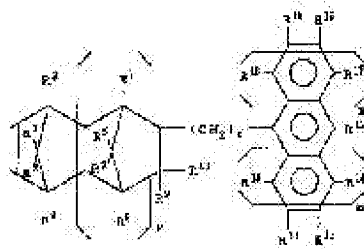
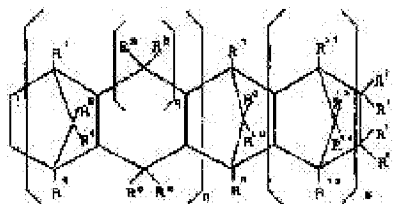
(72)Inventor : **HIROSE TOSHIYUKI
YAMAMOTO YOZO
NAITO ISAO
NAGA SATOSHI
OKAJI MATSUO**

(54) CYCLIC OLEFIN RESIN LAMINATE

(57)Abstract:

PROBLEM TO BE SOLVED: To ameliorate the balance of physical properties such as strength and heat resistance by using a cyclic olefin resin which is represented by a specific composition formula and has a specific softening temperature.

SOLUTION: A cyclic olefin resin is selected from a random copolymer of ethylene and a cyclic olefin represented by formula I or formula II of a composition formula and a graft modified product of the copolymer. In this case, in the formula I, (n) is 0 or 1; (m) is an integer of 0 or 1 or more; and (q) is 0 or 1. R¹-R¹⁸ and R_a, R_b are independently a hydrogen atom, a halogen atom or a hydrogen group. In addition, in the formula II, (p) and (q) are an integer of 0 or 1 or more; (m) and (n) are 0, 1 or 2. Further R¹-R¹⁹ are independently a hydrogen atom, a halogen atom or a hydrocarbon group or an alkoxy group. And at least one layer of the cyclic olefin resin layers has 100°C or less softening temperature and at least one layer has 100°C or more softening temperature.



II